

## SECTION 03280 - JOINTS IN SITEWORK CONCRETE

### City of San Diego, CWP Guidelines

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NTS: Refer to San Diego Regional Standard Drawing G-10, Concrete Joint Details. This Section assumes that G-10 will be in the Contract Drawings.

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### PART 1 -- GENERAL

#### 1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing expansion joints, contact joints, and weakened plane joints in concrete pavement, sidewalk, curb and gutter.

#### 1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.
  - 1. Section 03100 Concrete Formwork
  - 2. Section 03310 Cast-in-Place Sitework Concrete

#### 1.3 STANDARD SPECIFICATIONS

- A. Except as otherwise indicated in this Section of the Specifications, the CONTRACTOR shall comply with the Standard Specifications for Public Works Construction (SSPWC), as specified in Section 01090 - REFERENCE STANDARDS.

#### 1.4 SPECIFICATIONS AND STANDARDS

- A. Except as otherwise indicated, the current editions of the following apply to the WORK of this Section:
  - 1. ASTM D 1751      Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)
  - 2. ASTM D 994      Preformed Expansion Joint Filler for Concrete (Bituminous Type)

#### 1.5 SHOP DRAWINGS AND SAMPLES

- A. The following shall be submitted in compliance with Section 01300:
  - 1. Placement shop drawings showing the location and type of all joints.
  - 2. Catalog cuts and samples of the preformed expansion joint filler material including complete product data.

## 1.6 OWNER'S MANUAL

- A. The following shall be included in the OWNER'S MANUAL in compliance with Section 01300:
  - 1. Manufacturer's certification indicating that the preformed expansion joint material meets or exceeds the requirements of these Specifications.

## PART 2 -- PRODUCTS

### 2.1 PREMOLDED JOINT FILLER

- A. Premolded joint filler shall be in conformance with SSPWC subsection 201-3.2 and shall be either Preformed Expansion Joint Filler (ASTM D994) or Nonextruding and Resilient Filler (ASTM D 1751) as indicated.

### 2.2 STEEL BARS AND DOWELS

- A. Steel bars used in construction joints or contact joints shall conform to SSPWC subsection 201-2.2.

### 2.3 CONCRETE CURING COMPOUND

- A. Curing compound shall comply with SSPWC subsection 201-4.

## PART 3 -- EXECUTION

### 3.1 EXPANSION JOINTS

- A. Expansion joints in sitework concrete shall be constructed in accordance with SSPWC subsection 302-6.5.3 except that the configuration of the joint shall be as indicated on the drawings.
- B. Expansion joints in concrete curbs, sidewalk and gutter shall comply with SSPWC subsection 303-5.4.2 except that the joint configuration shall be as indicated on the drawings.

### 3.2 CONSTRUCTION JOINTS

- A. Construction joints in sitework concrete shall comply with SSPWC subsection 302-6.5.2.

### 3.3 WEAKENED PLANE JOINTS

- A. Weakened plane joints in sitework concrete shall comply with SSPWC subsection 302-6.5.4 except that the configuration of the joint shall be as indicated on the drawings.
- B. Weakened plane joints in concrete curbs, sidewalks and gutters shall comply with SSPWC subsection 303-5.4.3 except that the joint configuration shall be as indicated on the drawings.

### 3.4 CONTACT JOINTS

- A. Contact joints in concrete pavement shall be made by placing fresh concrete against hardened concrete. A moisture barrier consisting of curing compound conforming to SSPWC subsection 201-4 shall be applied to the face of any contact joint and allowed to dry prior to placing fresh concrete against that joint face. This provision is also applicable to existing portland cement concrete pavement not constructed as part of the WORK performed under the contract. Application rate shall be as specified in SSPWC subsection 302-6.6 for the compound used.

\*\* END OF SECTION \*\*